

Patent Claims

1. Laser-markable paper and board products, characterized in that the paper comprises, as absorber material, an inorganic platelet-form substrate having a particle size of from 1 to 60 μm .
2. Laser-markable paper and board products according to Claim 1, characterized in that the inorganic platelet-form substrate is mica.
3. Laser-markable paper and board products according to Claim 1, characterized in that the platelet-form inorganic substrate is a pearl lustre pigment.
4. Laser-markable paper and board products according to Claim 1, characterized in that the inorganic platelet-form substrate is an electrically conductive pigment.
5. Laser-markable paper and board products according to Claim 1, characterized in that the absorber material is a mixture of different inorganic platelet-form substrates.
6. Laser-markable paper and board products according to any ~~one of Claims 1 to 5~~ ^{claim 1}, characterized in that the proportion of the absorber material is from 0.1 to 10% by weight, based on the body of the paper.
7. Laser-markable paper and board products according to any ~~one of Claims 1 to 6~~ ^{claim 1}, characterized in that they also contain colour pigments.
8. Laser-markable paper and board products according to any ~~one of Claims 1 to 7~~ ^{claim 1}, characterized in that they also contain light-sensitive pigments.
9. Process for producing laser-markable paper and board products according to Claim 1, characterized in that, during papermaking, the absorber material is stirred into the paper stock and/or into the coating material.
10. Use of laser-markable paper and board products according to Claim 1 in the sectors of packaging, securities, security papers and graphic products.

ADD B3 / ADD 1, ADD E1